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XRAM Acc No: C93-013755
  Conductive and dielectric resin foaming particles - are
  coated with emulsion, spread with conductive material and dielectric
 material and then dried, used for conductive cushioning materials
Patent Assignee: KANEKA CORP (KANF )
Number of Countries: 001 Number of Patents: 001
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                  19921210 JP 91142390
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Priority Applications (No Type Date): JP 91142390 A 19910517
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JP 4356543
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Abstract (Basic): JP 4356543 A
        Conductive and dielectric thermoplastic resin foaming particles are
    claimed, the surfaces of which are coated with an emulsion and then
    spread with a conductive material and a dielectric material and dried
    to give conductive and dielectric thermoplastic resin foaming
    particles. The particles are put in a mould, heated and expanded to
    give a conductive and dielectric thermoplastic resin foam.
         Pref. the conductive material is graphite powder, carbon black or
    their mixt. The dielectric material is Rochelle salt. The spread of the
    dielectric material on the particles is more than 7 g/m2. The spread of
    the conductive material on the particles is more than 1 g/m2. The
    emulsion is a polymer emulsion. The resin foam has a surface resistance
    and a vol. resistance of less than 10 power (4) Ohm, a specific
    inductive capacity of more than 7 and dielectric loss of more than 0.4.
         Pref. the thermoplastic resin prefoamed fine particles are e.g.
    polystyrene prefoamed particles with an expansion ratio of 5,000%. The
    polymer emulsion is e.g. a styrene-acrylic resin emulsion.
         USE/ADVANTAGE - For a conductive cushioning material and
    electromagnetic wave absorbing material. They have a high conductivity
    and dielectric
        Dwq.0/0
Title Terms: CONDUCTING; DIELECTRIC; RESIN; FOAM; PARTICLE; COATING;
  EMULSION; SPREAD; CONDUCTING; MATERIAL; DIELECTRIC; MATERIAL; DRY;
  CONDUCTING; CUSHION; MATERIAL
Derwent Class: A32; A85; L03
International Patent Class (Main): C08J-009/22
International Patent Class (Additional): B29C-067/22; B29K-105-04;
  B29K-105-16
File Segment: CPI
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  A12-B07B; A12-E01; A12-S04; L03-A02A; L03-G
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  2541 2549 2551 2555 2617 2726 2743
Polymer Fragment Codes (PF):
  *001* 014 03- 034 055 056 074 081 27& 393 397 402 408 409 431 436 443
        466 472 477 491 50- 506 507 509 551 556 623 627 688 694 722
Derwent Registry Numbers: 1669-U; 1778-U
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